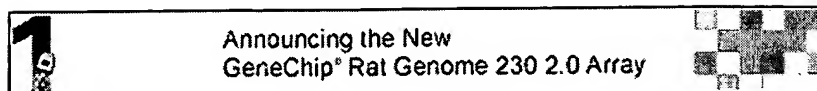


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 (7129)
-> (1) All Descriptions
 (X74801)
-> (1) All Descriptions
 (L17131)

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 Queries

Full Record**Details for HUGENEFL:U15008_AT****Full Screen**

NetAffx Links [Cluster Members](#)
[Consensus/Exemplar](#)

GeneChip Array Information

Probe Set ID U15008_at
**GeneChip
Array** HumanGeneFL Array
**Organism
Common
Name** Human

Probe Design Information

Transcript ID U15008
**Sequence
Type** Exemplar sequence
**Representative
Public ID** U15008 [NCBI](#)
Target U15008, class A, 20 probes, 20 in U15008 25-433, Human SnRNP core protein
Description Sm D2 mRNA, complete cds

Genomic Alignment of Target Sequence

Assembly April 2003 (NCBI 33)
Alignment(s)

	Position	% Identity	Cytoband
chr19: 50882580-50883664 (-)	UCSC	98	q13.32

	Representative Transcript	UniGene Description	Position
Overlapping Transcripts	NM_004597 NCBI	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa	chr19:50882558-50887282 (-) UCSC
	NM_177542 NCBI	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa	chr19:50882558-50887282 (-) UCSC

Public Domain and Genome References

Gene Title small nuclear ribonucleoprotein D2 polypeptide 16.5kDa
Gene Symbol SNRPD2 [HGNC](#)
**Chromosomal
Location** 19q13.2
UniGene ID Hs.424327 [NCBI](#) (FULL LENGTH)
Ensembl ENSG00000125743 [Ensembl](#)
LocusLink 6633 [NCBI](#)
SwissProt P43330 [EMBL-EBI](#)
OMIM 601061 [NCBI](#)

RefSeq Protein NP_004588 [NCBI](#)
ID NP_808210 [NCBI](#)

RefSeq Transcript ID RefSeq Title
NM_004597 [NCBI](#) small nuclear ribonucleoprotein polypeptide D2
NM_177542 [NCBI](#) small nuclear ribonucleoprotein polypeptide D2

Functional Annotations

	ID	Title	Organism	Type
Ortholog	ATH1-121501:266482_AT	small nuclear ribonucleo protein D2 -related	Arabidopsis	Putative Ortholog
	C. ELEGANS:172931_X_AT	small nuclear ribonucleoprotein D2 like	Celegans	Putative Ortholog
	DROSGENOME1:153483_AT		Drosophila	Putative Ortholog
	MG-U74AV2:95049_AT	small nuclear ribonucleoprotein D2	Mouse	Curated Ortholog
	MOE430A:1452680_AT	small nuclear ribonucleoprotein D2	Mouse	Curated Ortholog
	MU11KSUBA:AA271024_S_AT	small nuclear ribonucleoprotein D2	Mouse	Curated Ortholog
	MOUSE430_2:1452680_AT	small nuclear ribonucleoprotein D2	Mouse	Curated Ortholog
	MOUSE430A_2:1452680_AT	small nuclear ribonucleoprotein D2	Mouse	Curated Ortholog

GO Biological Process (view graph)

ID	Description	Evidence	Links
245	spliceosome assembly	traceable author statement	QuickGO AmiGO
6371	mRNA splicing	traceable author statement	QuickGO AmiGO

GO Cellular Component (view graph)

	ID	Description	Evidence	Links
Gene Ontology	5681	spliceosome complex	traceable author statement	QuickGO AmiGO
	5732	small nucleolar ribonucleoprotein complex	inferred from electronic annotation	QuickGO AmiGO
	30532	small nuclear ribonucleoprotein complex	traceable author statement	QuickGO AmiGO

GO Molecular Function (view graph)

ID	Description	Evidence	Links
8248	pre-mRNA splicing factor activity	inferred from electronic annotation	QuickGO AmiGO

	Method	ID	Description	E-Value
Protein Similarities	blast	4759158	small nuclear ribonucleoprotein polypeptide D2; snRNP core protein D2 [Homo sapiens]	1.0E-62
	blast	26337731		3.0E-62
	blast	4759158	small nuclear ribonucleoprotein polypeptide D2; snRNP core protein D2 [Homo sapiens]	1.0E-62
	blast	26337731		3.0E-62

Database	ID	Description	E-Value
scop	d1b34b_	d1b34b_ SCOP:b.38.1.1.1 D2 core SNRNP	1.85E-

Protein Domains	scop	d1b34b_	protein	28
			d1b34b_ SCOP:b.38.1.1: D2 core SNRNP protein	1.85E-28
	pfam	LSM	LSM domain	1.1E-16
	pfam	LSM	LSM domain	1.1E-16
	InterPro	IPR001163	Small nuclear ribonucleoprotein (Sm protein)	
		EMBL-EBI		

Sequence

Target Sequence
 >HUGENEFL:U15008_AT
 accatcatgagcctcctcaacaagcccaagagtgagatgacccagaggagctgcagaag
 cgagaggaggaggaatttaacaccggtccactctctgtgctcacacagtcagtcagaac
 aatacccaagtgtcatcaactgccgcaacaataagaaactcctgggccgctgaaggcc
 ttcgataggcactgcaacatggtgctggagaacgtgaaggagatgtggactgaggtacc
 aagagtggcaagggcaagaagaagtccaagccagtcaacaaagaccgctacatctccaag
 atgttcctgcgcggggactcagtcacgtggtcctgcggaaccgctcatcgccggcaag
 tagggccgcctgtctgttgacagaactcactcctctgtcctatgaagaccgctgccatt
 ggtgttgagaata

	Probe Sequence(5'-3')	Probe		Probe Interrogation Position	Strandedness
		X	Y		
Probe Info	ACCATCATGAGCCTCCTCAACAAGC	99	211	37	Antisense
	AGTGAGATGACCCCAGAGGAGCTGC	100	211	67	Antisense
	AACACCGGTCCACTCTCTGTGCTCA	101	211	115	Antisense
	GGTCCACTCTCTGTGCTCACACAGT	102	211	121	Antisense
	CTCTCTGTGCTCACACAGTCAGTCA	103	211	127	Antisense
	GTGCTCACACAGTCAGTCAAGAACA	104	211	133	Antisense
	TCAGTCAAGAACAATACCCAAGTGC	105	211	145	Antisense
	AATACCCAAGTGCTCATCAACTGCC	106	211	157	Antisense
	CAAGTGCTCATCAACTGCCGCAACA	107	211	163	Antisense
	CGCGTGAAGGCCTTCGATAGGCACT	108	211	205	Antisense
	AAGGCCTTCGATAGGCACTGCAACA	109	211	211	Antisense
	TTCGATAGGCACTGCAACATGGTGC	110	211	217	Antisense
	GTACCCAAGAGTGGAAGGGCAAGA	111	211	271	Antisense
	TACATCTCCAAGATGTTCTGCGCG	112	211	325	Antisense
	TCAGTCATCGTGGTCCTGCGGAACC	113	211	355	Antisense
	TAGGGGCCGCCTGTCTGTTGACAGA	114	211	397	Antisense
	TGACAGAACTCACTCCTCTGTCCTA	115	211	415	Antisense
	CTCCTCTGTCTATGAAGACCGCTG	116	211	427	Antisense
	TGTCCTATGAAGACCGCTGCCATTG	117	211	433	Antisense
	ACCGCTGCCATTGGTGTGAGAATA	118	211	445	Antisense